

Modern Electric Appliances Are Aid to Housewives

ELECTRIC GRILL IS MODERN POOH-BAH

Versatility of This Appliance Amazing—Invaluable Aid to Good Cookery.

If you recall "The Mikado," you will not have forgotten Pooch-bah, that classic dignitary, in whose person were assembled most of the official appointments of the Flowery Kingdom. Pooch-bah was a little of everything. The modern electric grill is the same. It is very versatile in the number and variety of its accomplishments. There are round grills with four heats, square grills that cook three things at once and rectangular grills capable of two cookery processes at the same time.

And the things these small Pooch-bahs will do! Fancy having such small appliances cook and deliver right at table an entire meal with all the flavor in it. When you consider how much savorless poorly cooked food finds its way to table from various kinds of kitchens, it's a wonder

folks have survived as well as they have.

The most important result of cookery is to bring out new flavors. A bit of bacon in its raw state is not very appetizing, but put several slices below the heating element of an electric grill, scramble some eggs properly in a pan above the element, toast some bread the correct way, make coffee in a percolator, and you have an appetizing breakfast fit for the gods. Then, best of all, it has been prepared right at table with no soot, smoke or dust of ashes, without any of the by-products of combustion.

The result we want to achieve in food preparation is to get out of our foods the highest nutritive value, the best quality, and the most satisfaction they are capable of yielding. Good cookery depends less on knowing many different recipes word for word than on being familiar with the general laws in cooking different classes of foods, such as meats, cereals and eggs.

The portability of the electric grill is an important feature. What a pleasant thing it is nowadays to prepare a meal wherever it is wanted, instead of always in a kitchen. With an electric grill and a convenient outlet, a hostess may have her Sunday evening tea in the dining room, in the den or a cozy corner of the sun parlor. She can make it a jolly feast, whetting the appetite with savory whiffs of food cooked in the cleanest way, with the cleanest kind of heat.

OIL IMPORTANT AS DOMESTIC ASSET

Housewife Should Acquaint Herself With Its Use on Many Machines.

When one understands how oil "works" in a household appliance, its importance and its effect upon the life and satisfactory operation of machines will be better appreciated. If this single fact were understood by housekeepers, the number of repairs and complaints would be reduced by half.

In oiling a vacuum cleaner, for example, one puts a few drops into a little cup and the oil works down by way of a wick to the bearing. Here the oil spreads out, just as it does when you drop it upon water, and forms a thin film between the two pieces of metal. As the motor whirls at terrific speed—many of them run 10,000 revolutions a minute—there is no wear between the whirling motor shaft and the bearing which holds it; all the "wear" occurs upon this film of oil, for the two pieces of metal do not touch.

Anyone can see at once how important it is to maintain the film of oil between the two surfaces. If the oil evaporates or "wears out" the two pieces of metal begin to grind against each other and they wear out. Soon the bearing becomes loose and the machine rattles and must be taken to the electric shop for repairs. And after being repaired it is never quite as good as before; it is like a person who has had some terrible strain or illness.

The first warning sign that a machine needs oiling is a slight squeak. At first the oil film wears away in a tiny spot and the friction at this spot makes the noise. Gradually the bare spot grows, the squeak increases. As the metal continues to rub it heats hotter and hotter, burning away the oil rapidly until none is left. Soon in case the bearing fits snugly, it sometimes happens that the contraction of the metal when it cools will cause the bearing to freeze to the stick. This action is exactly what happens when a metal tire is put on a wagon wheel. The tire is heated red hot and expands; then after being placed on the wheel it is contracted by being plunged into cold water. The contraction of the metal causes the tire to grip the wheel so solidly that it will not come off until the wood dries and shrinks away from the tire.

A "frozen" bearing on an electrical appliance may result in damage and expense because it may cause the motor to "burn out." When you turn the electric current into a motor, the motor tries to turn and anything which retards the motion causes it to heat up in its effort to do its work. A "frozen" bearing will not allow the motor to turn; hence the motor heats, dries out and chars the insulation and finally short circuits, or "burns out." The damage may be comparatively slight or the motor may be practically ruined—depending on how quickly the current is turned off.

Probably half the mishaps and small repairs are due to improper oiling. Too much oil may cause trouble as well as absence of oil. A few drops—just enough to maintain the film between the moving metal—will generally keep any appliance in smooth running condition.

ELECTRICAL SERVANTS GIVEN TO BRIDE IN CHEST

Cleveland Girl Starts Keeping House With Most Practical of Wedding Gifts.

Imagine the good wishes of a score of electrical companies embodied in an all-electrical "hope chest" containing a complete outfit of electrical home servants instead of knickknacks and embroidered trifles! That's what was presented to a Cleveland bride recently.

Fancy starting housekeeping with the servant problem solved for all time, as does this bride. Imagine having all this modern equipment at once available, without having to buy it bit by bit. She begins housekeeping on a twentieth century basis, putting the work of her home on a high, new level which many housewives have hardly touched.

This novel "hope chest" donated by the electrical companies of Cleveland included such practical wedding gifts as an electric range, dishwasher, washing machine, electric iron, vacuum cleaner, electric heater, sewing machine motor, vibrator, percolator, and toaster, a set of portable lamps, five cartons of new white lamps and an electrolux donated by a lighting fixture club.

When you come to think of it, why should not the modern bride have practical wedding gifts, gifts that will help her right from the beginning to put her home on an efficient, auto-operative basis? Such a home will mean a happier kind of living than so far has been possible, for this home begins with the correct solution of the difficulties that have long centered in the domestic labor problem.

NEW PEELING MACHINE DRIVEN BY ELECTRICITY

Fruits and Vegetables May Be Handled at Rate of 20 or 22 Bushels Per Hour.

Apples, potatoes, and other fruits and vegetables of any size, are economically peeled and sliced at rate of twenty to twenty-two bushels an hour by an electrical machine of recent invention. The original apparatus has eight peeling units, but any number may be driven by a simple extension of the power shaft. Each unit is composed of many small knives that form an upper and lower cup, adjusting themselves automatically to the shape of the fruit or vegetable.

Placed by the operator in the lower cup, the apple, for instance, is held as in a clamp, while the upper knives descend upon it, revolve, and so remove one-half of the peel. Then the upper cup is used as a clamp while the lower knives revolve. Peeled, the apple is then ejected, and rolled past a cutting disk, which slices it to any desired size, and drops it through a chute. Meanwhile, a stream of water has carried away the peelings.

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Now Is The Time To Wire Your Home



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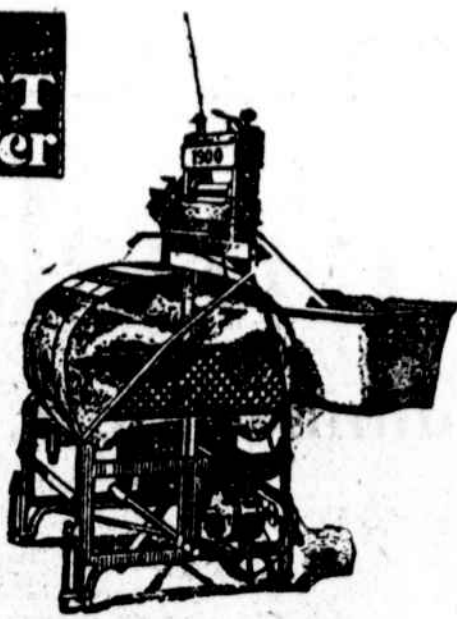
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The Perfect Washing Machine With Figure 8 Movement
Nothing Mechanical Inside the Tub
Makes for Larger Capacity
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And nothing to lift out when it comes to cleaning the smooth tin lined copper tub.

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Does the Ironing Four Times Quicker



It Pays for Itself Every Year
Solves Your Ironing Day Problems and Makes Your Ironing a Pleasure
May We Give You a Free Demonstration?

Be Convinced By Seeing Them Operated in Your Home. No Obligation. Easy Payments. They Earn As You Pay.

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KEEP THE OVEN DOOR CLOSED IF POSSIBLE

There is a necessity to conserve all the heat used in an electric oven. Such a loss as that caused by opening the oven door is of little or no importance in ordinary fuel stoves, but should be given consideration in the electric oven.

Opening the door lets out heat.



Electric Fixtures

should be selected with Four important features in mind—

- (1) Strong and substantial in construction.
- (2) Up to date in improvements and of true design.
- (3) Adapted to the light needed.
- (4) Harmonize with the decorations and finish of the room.

Proper lighting is our business—not just "fixtures." We carefully study the needs of our patrons to get the greatest possible utility and comfort from their lights.

Ask for estimates on wiring, electrical repair work and fixtures of all kinds.

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VACUUM CLEANER IS GREAT AID TO HEALTH

Air is one of nature's best cleansers and purifiers. It penetrates and it purifies. When by the aid of a vacuum cleaner the air not only passes through a fabric, thus purifying it, but also carries the dirt along with it, depositing it in a bag instead of scattering it broadcast, then, and then only, has true cleanliness been attained in the home and health truly safeguarded.

MEASURE ELECTRICITY BY KILOWATT HOUR

Electricity is measured and sold by the kilowatt-hour. A kilowatt-hour is equivalent to one and one-third horsepower for a period of one hour. The kilowatt is further divided into watts; 1,000 watts being equal to one kilowatt. Lamps are usually rated in watts.

A forty-watt Mazda lamp (about thirty-two-candle power) will consume forty watt hours of electric energy in one hour.



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Electrical Contractor & Dealer
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Electrical Contractor

Franklin 6828

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MOTOR LUNCHEON SETS



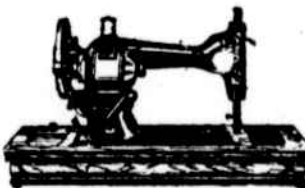
For 2, 4, 6, and 7 persons in Upright, Selt Case, and Running Board styles.

From \$25 up

Universal Vacuum Bottles

Various styles in half-pint, pint and quart, \$2.75 up.
Also, Carafes, Food Jars and other Universal Vacuum Specialties.

Better work is produced in less time by the Electric Sewing machine. Easily controlled, any desired speed, both hands always free to guide the sewing—an efficient, economical way to handle large or small amounts of sewing. There is no pedaling—no backache. The cost to operate is slight—a million or so stitches for a nickel's worth of electricity.



Easy to Buy, Too

We offer four different types ON EASY TERMS, priced at \$90, \$85, \$70 and..... **\$50**

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The Store for Things Electrical

Perhaps there's an Ethiopian in the wood pile

When one estimate on a piece of electrical work is way below the others it should be a caution signal for you. That particular low figure will bear looking into pretty thoroughly.

You see we electrical contractors pay pretty much the same prices for our materials. Labor of like grade costs the same. And, as we don't know of any contractor who is in danger of becoming a "malefactor of great wealth," our profits can't be so big after all. So if there is a big difference in estimates on the same job it's a pretty good sign of one of two things. Either the bidder knows he will lose money on the original contract, or he has made a mistake in his figures. And it's highly probable that "extras" will be called on to make up the loss in either case.

After all, as in most any other business deal, it pays to know that the "other party" in an electrical contract is really competent, reliable and responsible.

Capital Electric Co.	1525 14th St.,	Franklin 4582
F. L. Clarke	1242 Wisconsin Ave.,	West 2419
Davis Electric Co.	1009 H St.,	Franklin 5040
Howard P. Foley Co.	806 12th St.,	Main 1135
E. C. Gramm	1408 Eye St.,	Franklin 5016
Home Electric Shop	2203 14th St., (J. D. Campbell, Mgr.)	North 4226
Arthur Lowe	3438 14th St. N. W.	Col. 9610
Modern Electric Shop	1411 U St.,	North 2153
Geo. G. Rabbitt	805 9th St., (Successor to John R. Galloway)	Main 280
H. I. Scharr Elec. Co.	711 13th St.,	Main 1286
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